

COFFING HOISTS

BUILT FOR LONGER USE... BACKED BY BETTER SERVICE



Safety pull roller-chain ratchet lever hoists

Coffing Safety Pull roller-chain ratchet lever hoists give you a safe, sure lift for any heavy load. You can count on them to always protect your men and equipment. They are built with a dual ratchet and pawl assembly that holds the load positively at all times—there are no friction disc brakes to wear away and let the load drop. The operating handle is designed to bend before any mechanical failure occurs due to extreme overloading. This exclusive feature warns the operator that he should use a larger capacity hoist for the load he is lifting. The warranty on these hoists applies only up to rated capacity.

Illustrated—Model AG with Safety Hooks

Model	Rated cap., tons	Strands of load, chain	Net wt.	Std. lift	Minimum distance between hooks	Lbs. required on lever to lift rated capacity
AG	3/4	1	14#	56 1/2"	13"	56#
+AGI	3/4	1	14#	56 1/2"	13"	56#
*ATG	1 1/2	2	17#	57"	15"	60#
*+ATGI	1 1/2	2	17#	57"	15"	60#
FG	1 1/2	1	25#	56 1/2"	16"	116#
+FGI	1 1/2	1	25#	56 1/2"	16"	116#
*FTG	3	2	34#	57"	17"	120#
*+FTGI	3	2	34#	57"	17"	120#
*ZG-4 1/2	4 1/2	3	49#	51"	25"	124#
*ZG-6	6	4	59#	53"	25"	124#
WG-9	9	5	120#	60"	30"	124#
WG-11	11	6	130#	60"	30"	124#
WG-13	13	7	140#	60"	30"	124#
WG-15	15	8	150#	60"	30"	124#

* By merely unfastening a special snap hook, these hoists can be instantly converted to the next smaller capacity to give you a faster lifting speed for lighter loads.

† These hoists can be operated with half strokes of the lever for use in close quarters. Hoists not indicated require full lever strokes.

New safety hook

This new safety hook gives full unobstructed use of the entire throat opening. The latch fits snugly over the point of the hook to prevent side motion and snagging. Slight pressure on the release unlocks the latch. The hook is plated to prevent rust and corrosion. It is available for all Coffing ratchet lever hoists through 3 tons' capacity; all Challenger spur gear hoists; and as load hooks on all single-chained Quik-Lift electric hoists.



Model	Rated cap.	Throat opening
SHA	3000#	1 1/8"
SHF	6000#	1 1/4"



RA link chain

Coffing Safety Pull Aluminum Lever Hoist. Ratchet and pawl design, link chain type. New design provides for safe, easy operation and low maintenance. Body and handle of high strength aluminum alloy, handle bends to indicate overload. Six models 3/4-ton to 6-ton capacity.

Illustrated—RA Model

Model	Rated cap. tons	Average pull on lever to lift full load-lbs.	Net weight lbs.	Minimum distance between hooks	Minimum increment in lifting position— inches	Number of chains
*RA-15	3/4	59	12 1/2	14 7/16	.451	1
*RA-15-2	1 1/2	60	18 1/4	17 1/4	.226	2
*RA-30	1 1/2	82	23	16	.256	1
*RA-30-2	3	93	36	17 1/4	.128	2
*RA-30-3	4 1/2	96	53	22	.085	3
*RA-30-4	6	97	63	22	.064	4

* Standard lift—5 feet, lever length—20 1/2 inches.



MA link chain

Coffing Safety Pull Sealed Aluminum Lever Hoist. Ratchet and disc brake design, link chain type. Five seals protect brake against moisture, oils, chemicals and dirt. Loads will not slip and brake performance remains constant under exposure condition. Six models 3/4-ton to 6-ton capacity.

Model	Rated cap. tons	Average pull on lever to lift full load-lbs.	Net weight lbs.	Minimum distance between hooks	Minimum increment in lifting position— inches	Number of chains
*MA-15	3/4	57	14 1/4	14	.188	1
*MA-15-2	1 1/2	61	20 1/4	17 1/4	.094	2
*MA-30	1 1/2	82	23	16	.088	1
*MA-30-2	3	87	36	17 1/4	.044	2
*MA-30-3	4 1/2	90	52	22	.029	3
*MA-30-4	6	93	66	22	.022	4

* Standard lift—5 feet, lever length—20 1/2 inches.

COFFING HOISTS

Quik-lift electric hoists



The new Coffing Quik-Lift push-button electric hoists have all of the most desired features in the portable hoist field. Housings are strong, lightweight aluminum for easy portability. Simplified wiring system permits quick voltage changes. "Pistol-grip" push-button control can be used to pull a free moving trolley. Hoist rejects dangerous overloads. Control circuit is 115 volts. All wiring totally enclosed. Special V-groove brake. When ordering, specify one of the following types of suspension and indicate "swivel" or "rigid":

1. Standard open throat hook
2. Coffing safety hook
3. Lug and ball bearing trolley
4. Multi-purpose lug (for trolleys of other manufacturers)

Standard lift 10, 15, or 20 feet. Push-button cable 4 feet less than lift. Power cable length 15 feet.

Quik-lift electric hoists



Coffing cable electric hoists are built for hard production line use. The frame is a single cast unit. Triple reduction spur gears are heat-treated to achieve the right combination of hard-wearing surface and shock-resistant core. Drive shafts are ground to close precision and ride on oversized ball bearings to assure long life. Heavy-duty 30-minute motor is designed especially for these hoists. Automatic limit switch prevents over-travel of hoisting cable. Push-button controls are provided for greater convenience. Load brake operates in oil and has a non-reversing clutch. Motor brake closes instantly when current goes off. All wiring meets rigid safety requirements.

For extra protection, all models (except Q-4000-15) have the new Coffing Safety Hook on the bottom as standard equipment.

Model	Capacity	Lifting speed F.P.M.	Motor H.P.	Voltage
Q- 500-30	500#	30	1/2	115/230-1-60
Q-1000-15	1000#	15	1/2	or
Q-1000-30	1000#	30	1 1/4	220/440-3-60
Q-2000-15	2000#	15	1	115/230-1-60
Q-2000-19	2000#	19	1 1/4	220/440-3-60
Q-4000-15	4000#	15	2	

Model	Net weight	Std. lift	Max. lift	Minimum headroom		
				Lug susp.	Hook susp.	Trolley susp.
Q- 500-30	116#	10'	20'	20"	24"	20 1/2"
Q-1000-15	116#	10'	20'	20"	24"	20 1/2"
Q-1000-30	160#	10'	20'	23"	27 1/2"	24"
Q-2000-15	160#	10'	20'	23"	27 1/2"	24"
Q-2000-19	160#	10'	20'	23"	27 1/2"	24"
Q-4000-15	285#	18'	25'	30"	—	31"

Specify amount of lift and power cable if other than standard. Also specify current characteristics. (Push-button cable is increased with additional lift, unless otherwise specified.)

Model (1 Ph. only)	Capacity	Lifting speed F.P.M.	Motor H.P.	Voltage	Net weight	Min. between hooks
JF-0516-1	500#	16	1/4	115†	50#	16 1/2"
JF-0532-1	500#	32	1/2	115†	58#	16 1/2"
JF-1008-1*	1000#	8	1/4	115†	59#	19 3/4"
JF-1016-1	1000#	16	1/2	115†	58#	16 1/2"
JF-1032-1	1000#	32	1	115/230	81#	16 1/2"
JF-2008-1*	2000#	8	1/2	115†	66#	19 3/4"
JF-2012-1	2000#	12	3/4	115/230	71#	17"
JF-2016-1	2000#	16	1	115/230	84#	17"
JF-4006-1*	4000#	6	3/4	115/230	82#	21"
JF-4008-1*	4000#	8	1	115/230	95#	21"

Model (3 Ph. only)	Capacity	Lifting speed F.P.M.	Motor H.P.	Voltage	Net weight	Min. between hooks
JF-0516-3	500#	16	1/4	220/440	54#	16 1/2"
JF-0532-3	500#	32	1/2	220/440	60#	16 1/2"
JF-1008-3*	1000#	8	1/4	220/440	63#	19 3/4"
JF-1016-3	1000#	16	1/2	220/440	60#	16 1/2"
JF-1032-3	1000#	32	1	220/440	60#	16 1/2"
JF-2008-3*	2000#	8	1/2	220/440	69#	19 3/4"
JF-2012-3	2000#	12	3/4	220/440	64#	17"
JF-2016-3	2000#	16	1	220/440	63#	17"
JF-4006-3*	4000#	6	3/4	220/440	74#	21"
JF-4008-3*	4000#	8	1	220/440	74#	21"

* Double chained hoist. † If more than 16 feet of push-button cable is required, there is an additional charge for other electrical parts that must be added to the hoist. Maximum permissible power cable lengths any hoist 115 volts—35 feet; 220 or 230 volts—150 feet; 440 volts—250 feet.

Quik-lift electric hoists



Push-button controls illustrated

The Coffing Quik-Lift electric hoists are ideal for fast, efficient, automatic and effortless hoisting in both indoor and outdoor applications. All gears and drive shafts are machined from solid blank steel and ride on sealed ball bearings for longer and smoother operation. Fool-proof safety limit switches automatically stop the hoist when the load hook reaches the extreme top or bottom travel limit. Heavy-duty high starting torque, ball bearing motors are used on all Quik-Lift hoists. Standard Quik-Lift hoists have a 10 ft. lift and have hook suspension. However, lug suspension and special lifts and motors are available. Please write for quotations on special hoists.

Model (3 Ph. only)	Capacity	Lifting speed F.P.M.	Motor H.P.	Voltage	Net weight	Min. between hooks
*S-1000-36	1000#	36	1 1/2	220/440	190#	19 3/8"
*S-2000-18	2000#	18	1 1/2	220/440	185#	19 3/8"
*S-2000-36	2000#	36	2	220/440	190#	19 3/8"
*SD-4000-9	4000#	9	1 1/2	220/440	207#	24 3/8"
*S-4000-18	4000#	18	2	220/440	190#	19 3/8"
*SD-6000-9	6000#	9	2	220/440	217#	24 3/8"

* Also available with push-button controls. For push-button controls, add letters "PB" at the end of the model number. Letter "D" denotes double chained hoist.

COFFING HOISTS

Model YCT spur gear hoists

Coffing Model YCT spur gear hoists are similar to the Model YC hoists described in the next column, except that they have Timken bearings instead of ball bearings. Capacities 12 through 25 tons have two hand chains.



Rated capacity tons	Net weight	Std. lift	Std. length of chain in lineal feet	load—hand
1/4	67#	8'	9'	16'
1/2	67#	8'	9'	16'
1	93#	8'	9'	16'
1 1/2	133#	8'	9'	16'
2	201#	9'	10'	18'
3	189#	10'	24'	22'
4	286#	10'	25'	24'
5	398#	12'	44'	28'
6	398#	12'	44'	28'
8	470#	12'	58'	28'
10	560#	12'	72'	30'
12	880#	12'	93'	30'
16	1051#	12'	117'	30'
20	1220#	12'	146'	30'
25	1320#	12'	175'	30'

Rated capacity tons	Min. dist. betw. hooks	Chain pull to lift full load	Chain overhauled to lift load one foot
1/4	12"	57#	10'
1/2	12"	55#	20'
1	15 1/2"	71#	31'
1 1/2	18"	98#	35'
2	21"	102#	42'
3	25 1/4"	99#	70'
4	29 1/2"	106#	84'
5	38 1/2"	90#	126'
6	38 1/2"	108#	126'
8	42 1/2"	110#	168'
10	49 1/2"	112#	210'
12	52 1/4"	110#	129'
16	52 5/8"	112#	172'
20	55 3/8"	115#	215'
25	58 7/8"	125#	258'

Extended hand wheel and clevis connected spur gear hoists



Extended hand-wheel hoists allow the operator to stand from 3' to 10' away from the load. Clevis connected hoists save from 3" to 16" of headroom by using a clevis in place of the top hook.



Differential chain hoists

Coffing differential chain hoists are lightweight and inexpensive. The load is held automatically at all times at any point. The chain cannot leave the sheaves because of the yoke construction. Both hooks swivel in any direction. Differential hoists are recommended for applications where lifting is infrequent.

Rated cap. tons	Std. lift	Minimum distance between hooks	Chain pull to lift full load	Chain overhauled to lift load one foot
1/2	7'	21"	112#	24'
1	8'	26"	189#	30'



Model YC spur gear hoists

The Model YC spur gear hoists are made to give you years of service under the most demanding conditions. All internal moving parts are made of special wear-resistant alloy steel, all castings are made of extra strong malleable iron, and the hooks are made of drop-forged alloy steel. The load is held positively at all times and at any position.

NOTE: Spur gear hoists are recommended for materials-handling applications where electricity is not available or where the limited use of the hoist does not warrant the purchase of an electric hoist.

Rated capacity tons	Net weight	Std. lift	Std. length of chain in lineal feet	load—hand
1/2	62#	8'	9'	16'
1	94#	8'	9'	16'
1 1/2	136#	8'	9'	16'
2	204#	9'	10'	18'
3	165#	10'	22'	22'
4	240#	10'	22'	22'
5	245#	12'	26'	26'

Rated capacity tons	Minimum distance between hooks	Chain pull to lift full load	Chain overhauled to lift load one foot
1/2	12"	57#	21'
1	15 1/2"	76#	31'
1 1/2	18"	103#	35'
2	21"	112#	42'
3	28"	107#	70'
4	32"	116#	84'
5	32"	116#	109'

Challenger spur gear hoists

Challenger spur gear hoists are constructed of steel throughout, yet they are extremely lightweight. One man can easily carry a Challenger. The gear housing, back plate, hand wheel, and cover are all made of formed steel plate instead of the more common cast iron or aluminum. This gives greater resistance to shock-load breakage. The hooks are made of drop-forged alloy steel. The load is held positively at all times and at any position. All Challengers are fully warranted within rated capacity.



Rated cap. tons	Net weight	Std. lift	Std. length of chain in lineal feet	load—hand
1/2	38#	8'	9'	14'
1	39 1/2#	8'	9'	14'
2	56#	9'	20'	16'

Rated cap. tons	Minimum distance between hooks	Chain pull to lift full load	Chain overhauled to lift load one foot
1/2	14 1/2"	52#	21'
1	14 1/2"	66#	33'
2	18 1/4"	71#	66'

COFFING HOISTS

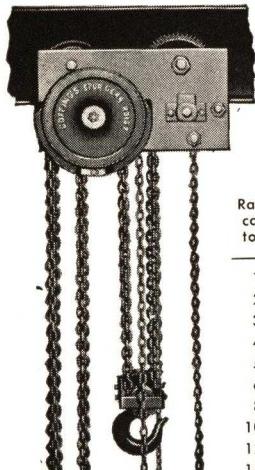


Army type trolley hoists

Coffing Army-Type trolley hoists are designed to combine hoist and trolley into one compact integral unit. This design permits the hoists to be used where there is a minimum of head-room available. Each unit is built individually to fit any specified I-beam size and is not thereafter adjustable to other sizes. Both hoist and trolley are built with Timken tapered bearings. By using the Army-Type hoist the saving in head-room ranges from about 12" in the smaller capacities to about 27" in the larger capacities. These units are available with plain or geared-type trolleys.

Rated capacity tons	Net wt. plain	Net wt. geared	Std. lift	Min. dist. bet. hook & I-beam	Standard size of I-beam
1/4	110#	8'	10 1/4"	5"x10 #
1/2	128#	8'	10 1/4"	5"x10 #
1	170#	196#	8'	11 1/4"	6"x12.5#
1 1/2	250#	300#	8'	13"	7"x15.3#
2	336#	383#	9'	15 1/8"	8"x18.4#
3	418#	475#	10'	18 3/4"	10"x25.4#
4	534#	630#	10'	21 3/4"	10"x25.4#
5	680#	750#	12'	25"	12"x31.8#
6	750#	810#	12'	25"	12"x31.8#
8	1015#	1224#	12'	31 3/8"	15"x42.9#
10	1180#	1298#	12'	39"	15"x42.9#

Low-head-room trolley hoists



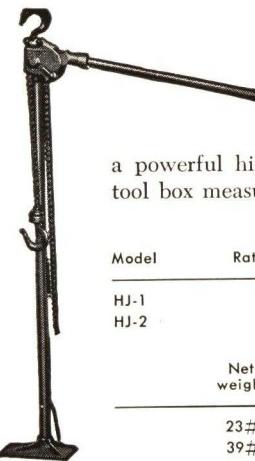
The Low-Head-Room hoists are similar to the Army-Type hoists described above. They allow the maximum saving in headroom and are designed for applications where headroom is so limited that no other type hoist can be used.

Rated cap. tons	Std. lift	Min. dist. between hook & I-beam	Minimum size of I-beam
1 1/2	8'	6 1/2"	8"x18.4#
2	9'	7"	8"x18.4#
3	10'	7 1/2"	8"x18.4#
4	10'	9 1/4"	9"x21.8#
5	12'	10 1/8"	12"x31.8#
6	12'	10 3/8"	12"x31.8#
8	12'	12"	12"x31.8#
10	12'	13"	15"x42.9#
12	12'	14 3/4"	18"x54.7#
16	12'	15 3/4"	18"x54.7#
20	12'	17"	20"x65.4#
24	12'	17"	20"x65.4#

I-beam trolleys

Coffing Ball-Bearing Trolleys have carburized and hardened wheels. Bearings are protected against dust and grit. Grease fittings are provided.

Rated capacity tons	Adjustable for I-beams	Smallest radius for curve	Net weight
1/8	3" to 10"	18"	12#
1/4	4" to 10"	18"	18#
1/2	4" to 10"	18"	18#
1	5" to 12"	21"	33#
2	6" to 18"	42"	40#



Hoist-all

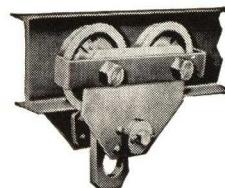
The Hoist-All is a handy all-around tool. Without its stand, it is an efficient hoist, puller, or load binder. With its stand, it becomes a powerful high-lift jack. It can be carried in a tool box measuring only 4"x9"x23".

Model	Rated capacity	Height of stand	Standard lift
HJ-1	2,000#	42"	44"
HJ-2	4,000#	43"	44"
Net weight			Minimum head-room
23#			11"
39#			17"

Mighty midget pullers

The Mighty Midget Pullers give you big pulling power in a small package. The Model MP-5 will lift or pull 500 pounds, yet weighs only 6 1/2 pounds. The Model MP-10 will lift or pull 1,000 pounds, yet weighs only 9 1/2 pounds. These hoists are so small that they will fit into a box measuring only 3 1/2"x5"x13". The handle can be used either as a lever or a high-speed crank and it is designed to bend at a maximum safe overload. The Model MP-5 has safety snap hooks and the Model MP-10 has open throat hooks.

Model	Rated capacity	Net wt.	Std. lift	Min. dist. between hooks
MP-5	500#	6 1/2#	57"	8 1/2"
MP-10	1000#	9 1/2#	56 1/2"	8 1/2"
Lbs. required on handle to lift rated capacity				
28#				
40#				



I-beam trolleys

These trolleys are equipped with Hyatt roller bearings for smooth, easy moving. They are the ideal companion for a Quik-Lift electric hoist or a spur gear hoist. Bumpers protect the wheels.

Rated cap., tons	Adjustable for I-beams	Smallest radius for curve	Drop hand chain below beam-gearred trolley
1	5, 6, 7 and 8"	21"	8'8"
1 1/2	6, 7, 8 and 9"	36"	10'5"
2	6, 7, 8 and 9"	36"	10'5"
3	8, 9, 10 and 12"	42"	12'3"
4	10, 12 and 15"	48"	12'6"
5	12, 15 and 18"	54"	15'3"
6	12, 15 and 18"	60"	15'6"
8	15, 18, 20 and 24"	63"	16'3"
10	20 and 24"	66"	16'9"

NOTE: Timken tapered bearing trolleys are also available in capacities from 1/4 to 25 tons. Timken bearings require approximately 50 per cent less effort to move the trolley.